SEQUENCE LISTING

<110> Targan, Stephan R.
Braun, Jonathan
Sutton, Christopher L.

<120> Diagnosis, Prevention and Treatment of Crohn's Disease Using The OmpC Antigen

<130> P-PM 4097

<140> US 09/575,061
<141> 2000-05-19

<160> 3

<170> FastSEQ for Windows Version 4.0

<210> 1
<211> 367
<212> PRT
<213> E. Coli

<400> 1

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Gly Ala Ala His Ala Ala Glu Val Tyr Asn Lys Asp Gly Asn Lys Leu
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Asp Leu Tyr Gly Lys Val Asp Gly Leu His Tyr Phe Ser Asp Asn Lys
        35                  40                  45
Asp Val Asp Gly Asp Gln Thr Tyr Met Arg Leu Gly Phe Lys Gly Glu
    50                  55                  60
Thr Gln Val Thr Asp Gln Leu Thr Gly Tyr Gly Gln Trp Glu Tyr Gln
65                  70                  75                  80
Ile Gln Gly Asn Ser Ala Glu Asn Glu Asn Asn Ser Trp Thr Arg Val
                85                  90                  95
Ala Phe Ala Gly Leu Lys Phe Gln Asp Val Gly Ser Phe Asp Tyr Gly
            100                 105                 110
Arg Asn Tyr Gly Val Val Tyr Asp Val Thr Ser Trp Thr Asp Val Leu
        115                 120                 125
Pro Glu Phe Gly Gly Asp Thr Tyr Gly Ser Asp Asn Phe Met Gln Gln
    130                 135                 140
Arg Gly Asn Phe Gly Ala Thr Tyr Arg Asn Thr Asp Phe Phe Gly Leu
145                 150                 155                 160
Val Asp Gly Leu Asn Phe Ala Val Gln Tyr Gln Gly Lys Asn Gly Asn
                165                 170                 175
Pro Ser Gly Glu Gly Phe Thr Ser Gly Val Thr Asn Asn Gly Arg Asp
            180                 185                 190
Ala Leu Arg Gln Asn Gly Asp Gly Val Gly Gly Ser Ile Thr Tyr Asp
        195                 200                 205
Tyr Glu Gly Phe Gly Ile Gly Gly Ala Ile Ser Ser Ser Lys Arg Thr
```

```
    210                 215                 220
Asp Ala Gln Asn Thr Ala Ala Tyr Ile Gly Asn Gly Asp Arg Ala Glu
225                 230                 235                 240
Thr Tyr Thr Gly Gly Leu Lys Tyr Asp Ala Asn Asn Ile Tyr Leu Ala
                245                 250                 255
Ala Gln Tyr Thr Gln Thr Tyr Asn Ala Thr Arg Val Gly Ser Leu Gly
            260                 265                 270
Trp Ala Asn Lys Ala Gln Asn Phe Glu Ala Val Ala Gln Tyr Gln Phe
        275                 280                 285
Asp Phe Gly Leu Arg Pro Ser Leu Ala Tyr Leu Gln Ser Lys Gly Lys
    290                 295                 300
Asn Leu Gly Arg Gly Tyr Asp Asp Glu Asp Ile Leu Lys Tyr Val Asp
305                 310                 315                 320
Val Gly Ala Thr Tyr Tyr Phe Asn Lys Asn Met Ser Thr Tyr Val Asp
                325                 330                 335
Tyr Lys Ile Asn Leu Leu Asp Asp Asn Gln Phe Thr Arg Asp Ala Gly
            340                 345                 350
Ile Asn Thr Asp Asn Ile Val Ala Leu Gly Leu Val Tyr Gln Phe
        355                 360                 365
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<210> 2
<211> 302
<212> DNA
<213> Unknown

<220>
<223> Microbial organism from the human gut

<221> CDS
<222> (2)...(302)

<400> 2

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  Asp Leu Ala Ser Ala Val Gly Ile Gln Ser Gly Ser Ile Phe His His
   1               5                  10                  15

ttc aag agc aag gat gag ata ttg cgt gcc gtg atg gag gaa acc atc      97
Phe Lys Ser Lys Asp Glu Ile Leu Arg Ala Val Met Glu Glu Thr Ile
            20                  25                  30

cat tac aac acc gcg atg atg cgc gct tca ctg gag gag gcg agc acg     145
His Tyr Asn Thr Ala Met Met Arg Ala Ser Leu Glu Glu Ala Ser Thr
        35                  40                  45

gtg cgc gaa cgc gtg ctg gcg ctg atc cgc tgc gag ttg cag tcg atc     193
Val Arg Glu Arg Val Leu Ala Leu Ile Arg Cys Glu Leu Gln Ser Ile
    50                  55                  60

atg ggc ggc agt ggc gag gcc atg gcg gtg ctg gtc tac gaa tgg cgc     241
Met Gly Gly Ser Gly Glu Ala Met Ala Val Leu Val Tyr Glu Trp Arg
65                  70                  75                  80

tcg ctg tcg gcc gaa ggc cag gcg cac gtg ctg gcc ctg cgt gac gtg     289
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Ser Leu Ser Ala Glu Gly Gln Ala His Val Leu Ala Leu Arg Asp Val
                 85                  90                  95

tat gag cag atc t                                              302
Tyr Glu Gln Ile
            100
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<211> 100
<212> PRT
<213> Unknown

<220>
<223> Microbial organism from the human gut

<400> 3

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Asp Leu Ala Ser Ala Val Gly Ile Gln Ser Gly Ser Ile Phe His His
 1               5                  10                  15
Phe Lys Ser Lys Asp Glu Ile Leu Arg Ala Val Met Glu Glu Thr Ile
            20                  25                  30
His Tyr Asn Thr Ala Met Met Arg Ala Ser Leu Glu Glu Ala Ser Thr
        35                  40                  45
Val Arg Glu Arg Val Leu Ala Leu Ile Arg Cys Glu Leu Gln Ser Ile
    50                  55                  60
Met Gly Gly Ser Gly Glu Ala Met Ala Val Leu Val Tyr Glu Trp Arg
65                  70                  75                  80
Ser Leu Ser Ala Glu Gly Gln Ala His Val Leu Ala Leu Arg Asp Val
                85                  90                  95
Tyr Glu Gln Ile
            100
```